

63% MMA / 27% BA / 3% DVB

internally crosslinked nanoparticles ($d \approx 230$ nm)

Fig. 1

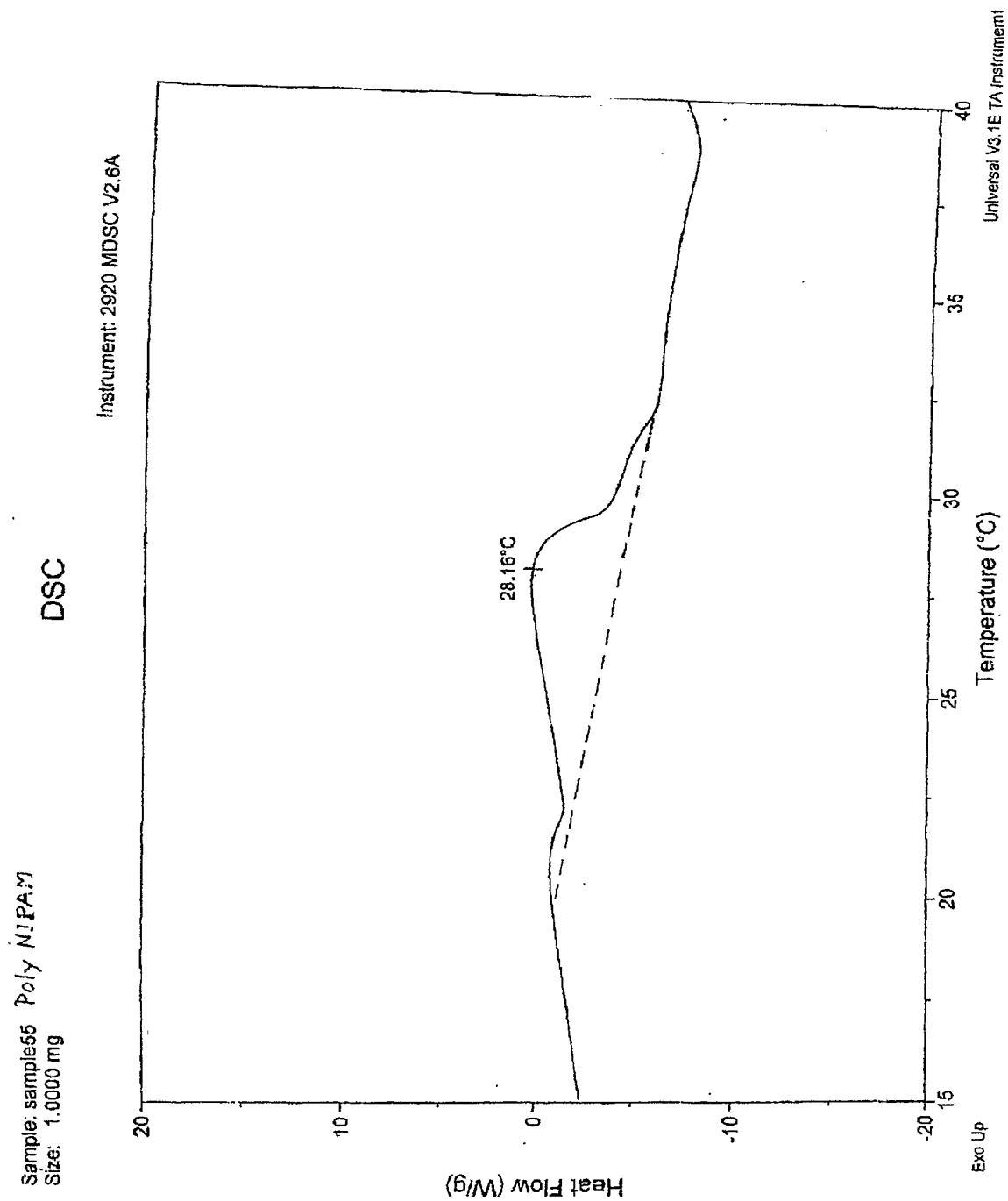


FIG. 2

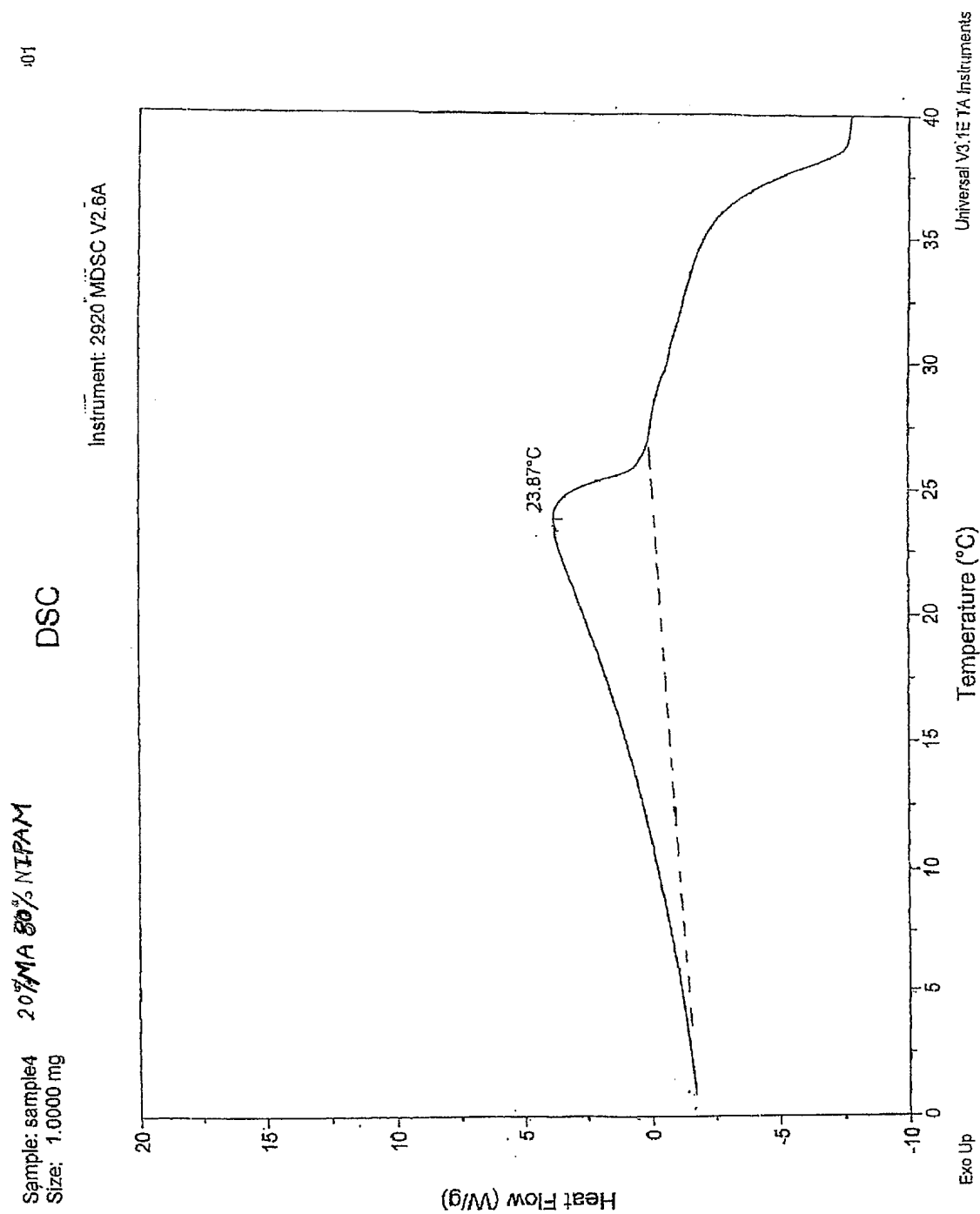


Fig. 3

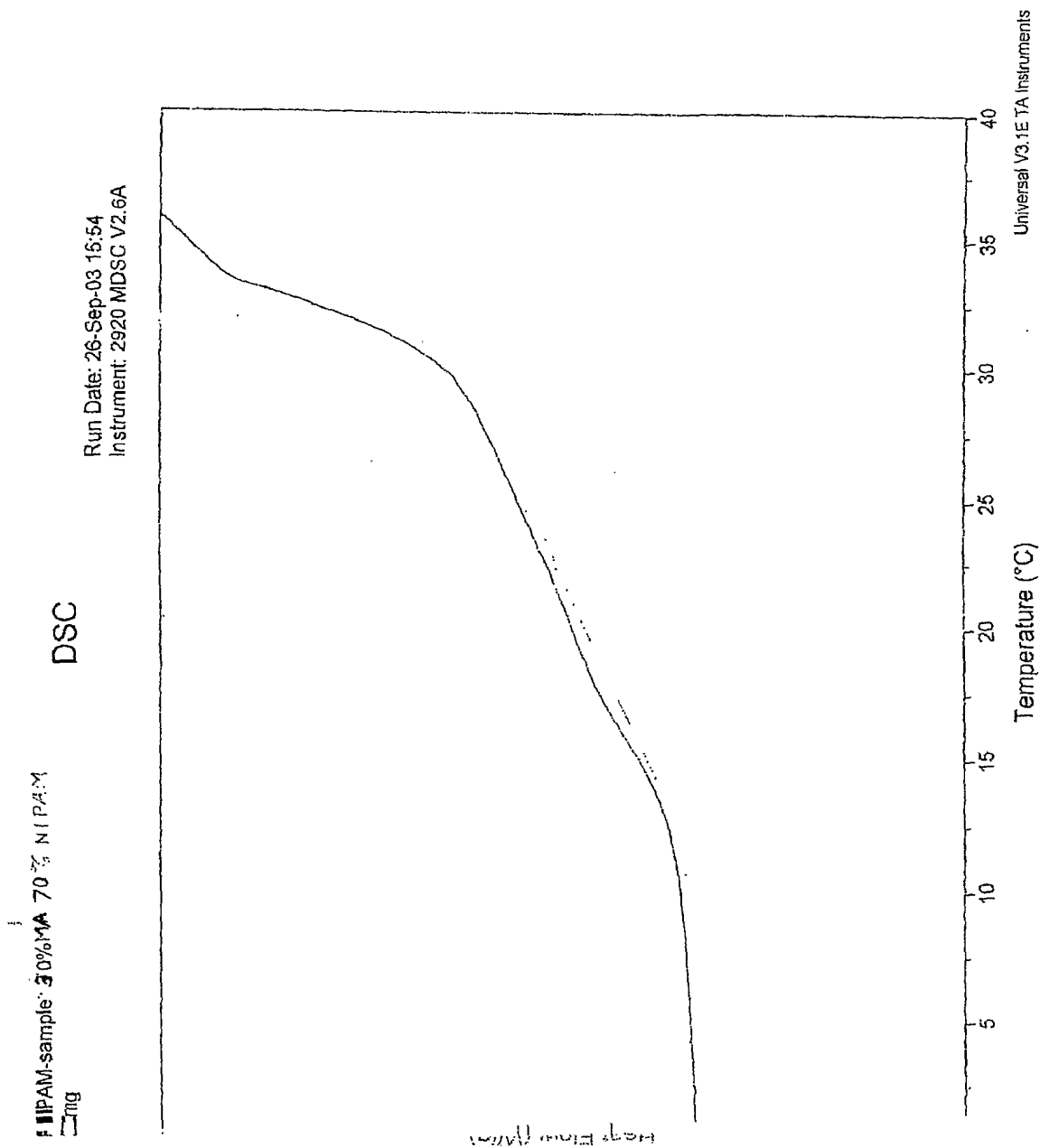
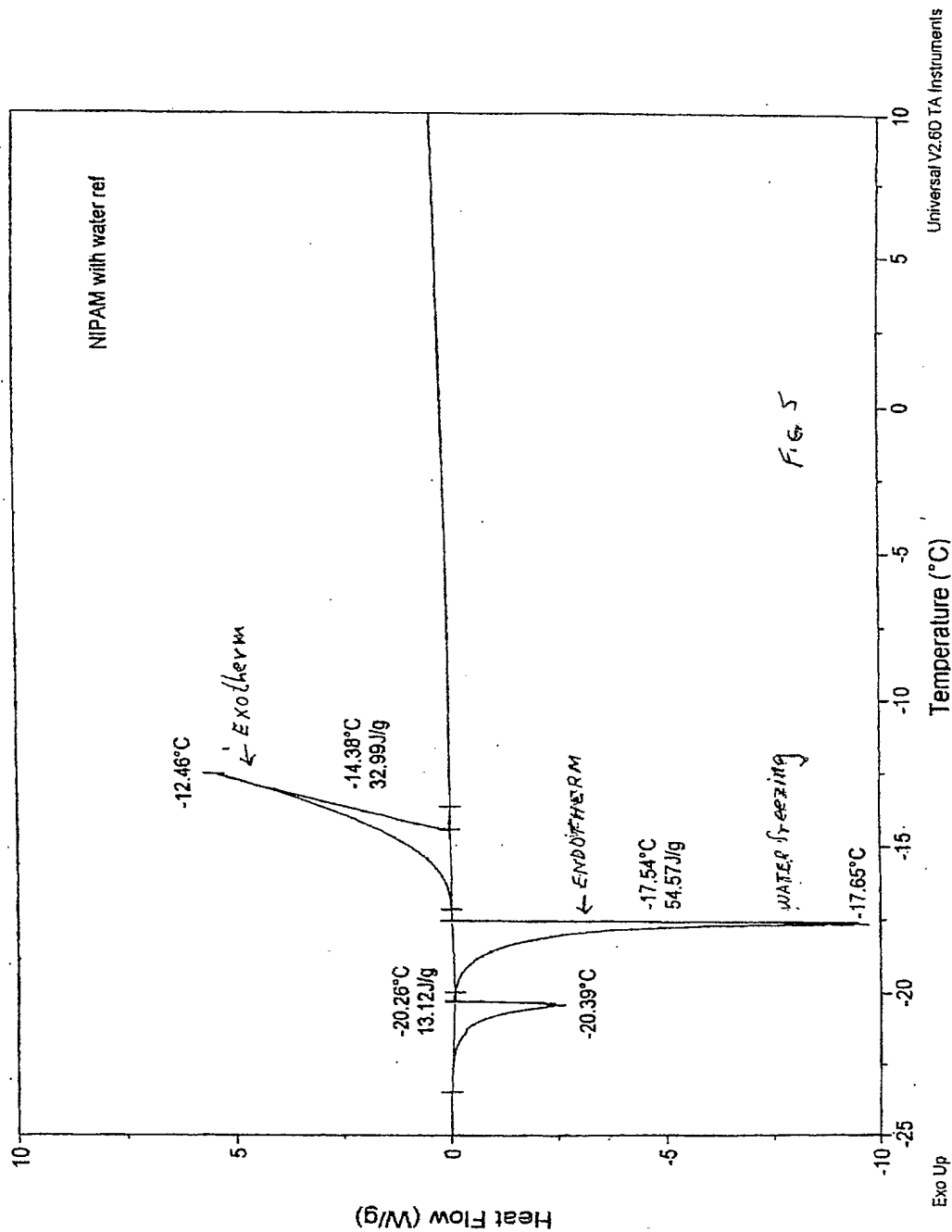
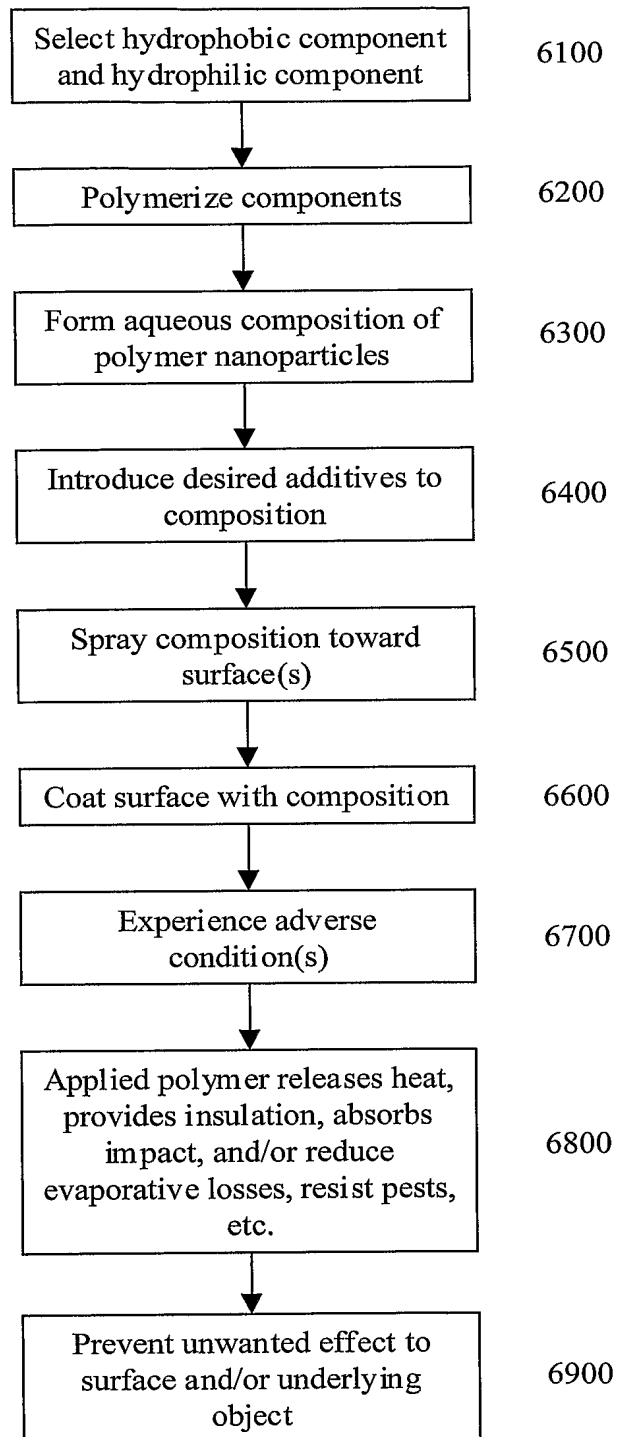


Fig. 4

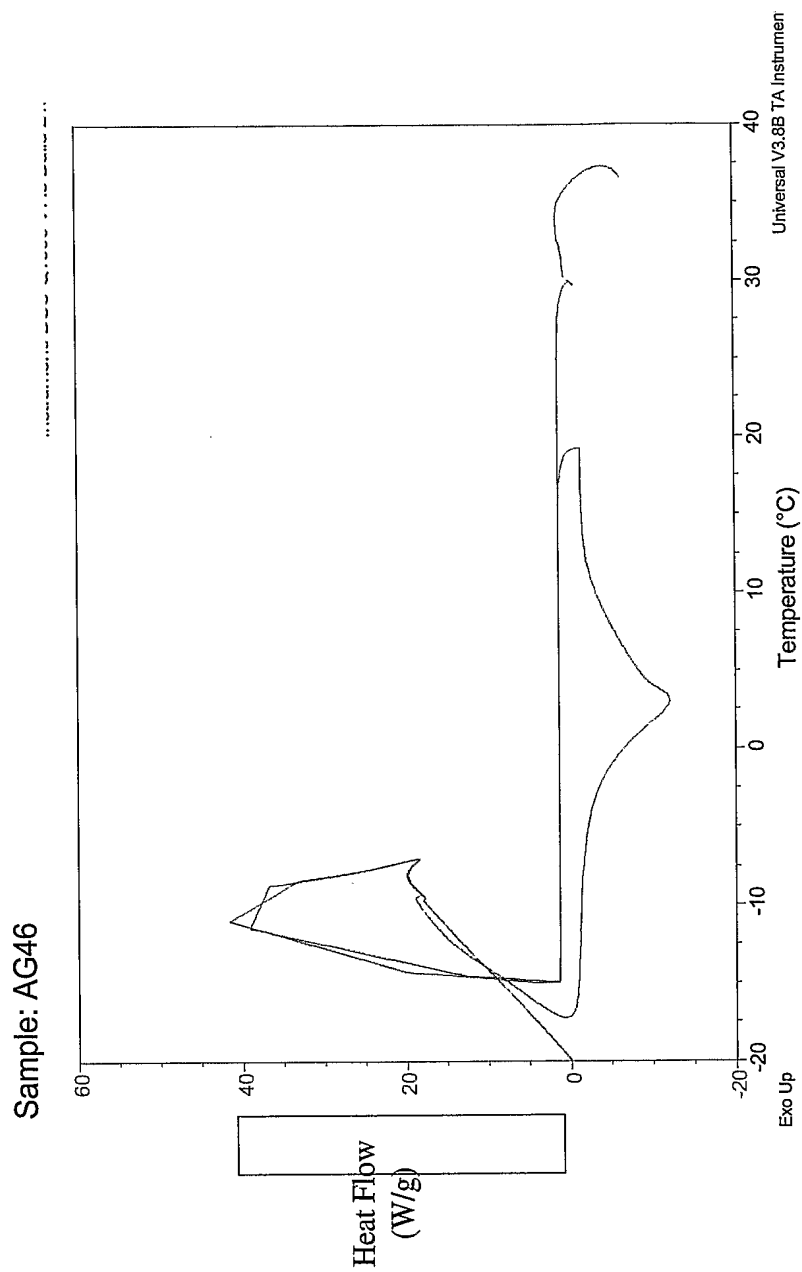
Sample: scott COPOLYMER 23%AN/77%NIPAM in water
 Size: 6.0000 mg
 File: scott sample with water ...
 Operator: nikki
 Run Date: 1-Mar-01 13:22
 DSC

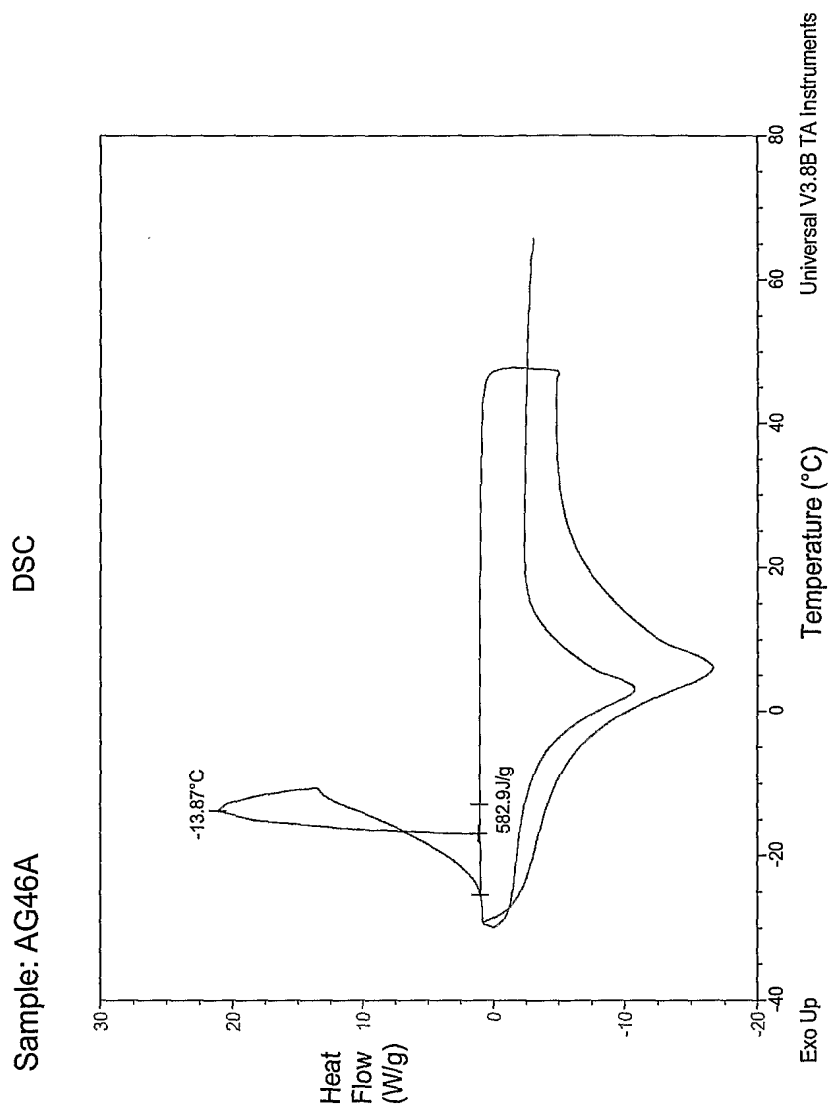


6000**Fig. 6**

| | AG 46 | | | AG 46A | | | AG 47B | | | AG 50 | | | AG 14R | | |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| | | 0.53 | 2.70 | | 0.59 | 2.56 | | 0.53 | 2.70 | | 0.41 | 2.22 | | 0.44 | 2.14 |
| DI water | 150 | 80.21 | | 130 | 76.92 | | 150 | 80.21 | | 200 | 81.63 | | 180 | 79.42 | |
| NaHCO ₃ | 0 | 0.00 | 0.00 | 2 | 1.18 | 5.13 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1.65 | 0.73 | 3.54 |
| CD 571 | 25 | 13.37 | 67.57 | 25 | 14.79 | 64.10 | 25 | 13.37 | 67.57 | 30 | 12.24 | 66.67 | 20 | 8.82 | 42.87 |
| Acrylamide | 5 | 2.67 | 13.51 | 5 | 2.96 | 12.82 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 7 | 3.09 | 15.01 |
| NIPAM | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 5 | 2.67 | 13.51 | 5 | 2.04 | 11.11 | 0 | 0.00 | 0.00 |
| Acrylic acid | 3 | 1.60 | 8.11 | 3 | 1.78 | 7.69 | 3 | 1.60 | 8.11 | 5 | 2.04 | 11.11 | 2 | 0.88 | 4.29 |
| APS | 2 | 1.07 | 5.41 | 2 | 1.18 | 5.13 | 2 | 1.07 | 5.41 | 2 | 0.82 | 4.44 | 2 | 0.88 | 4.29 |
| PPG | | | | | | | | | | | | | | | |
| diacrylate | 2 | 1.07 | 5.41 | 2 | 1.18 | 5.13 | 2 | 1.07 | 5.41 | 3 | 1.22 | 6.67 | 1 | 0.44 | 2.14 |
| TRG | | | | | | | | | | | | | | | |
| monomer | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 10 | 4.41 | 21.44 |
| Tween 80 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 3 | 1.32 | 6.43 |
| | 187 | 100.00 | 100.00 | 169 | 100.00 | 100.00 | 187 | 100.00 | 100.00 | 245 | 100.00 | 100.00 | 226.65 | 100.00 | 100.00 |

FIG. 7

**FIG. 8**

**FIG. 9**

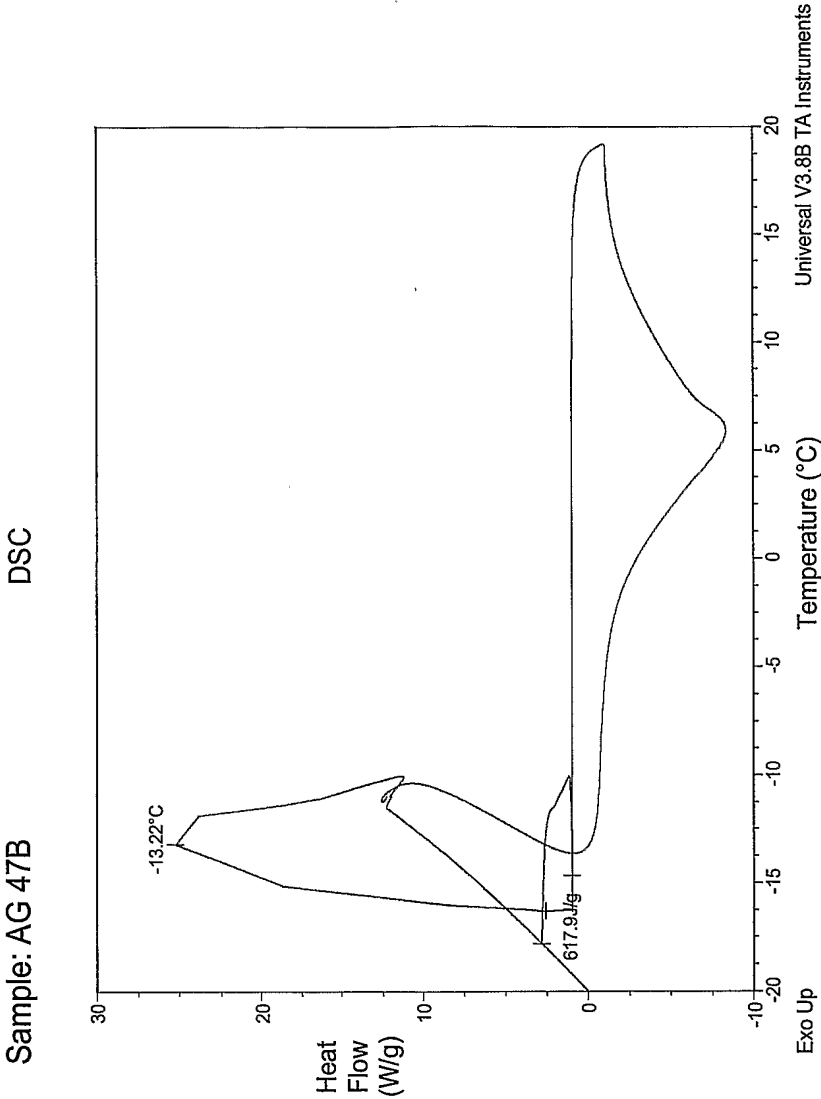


FIG. 10

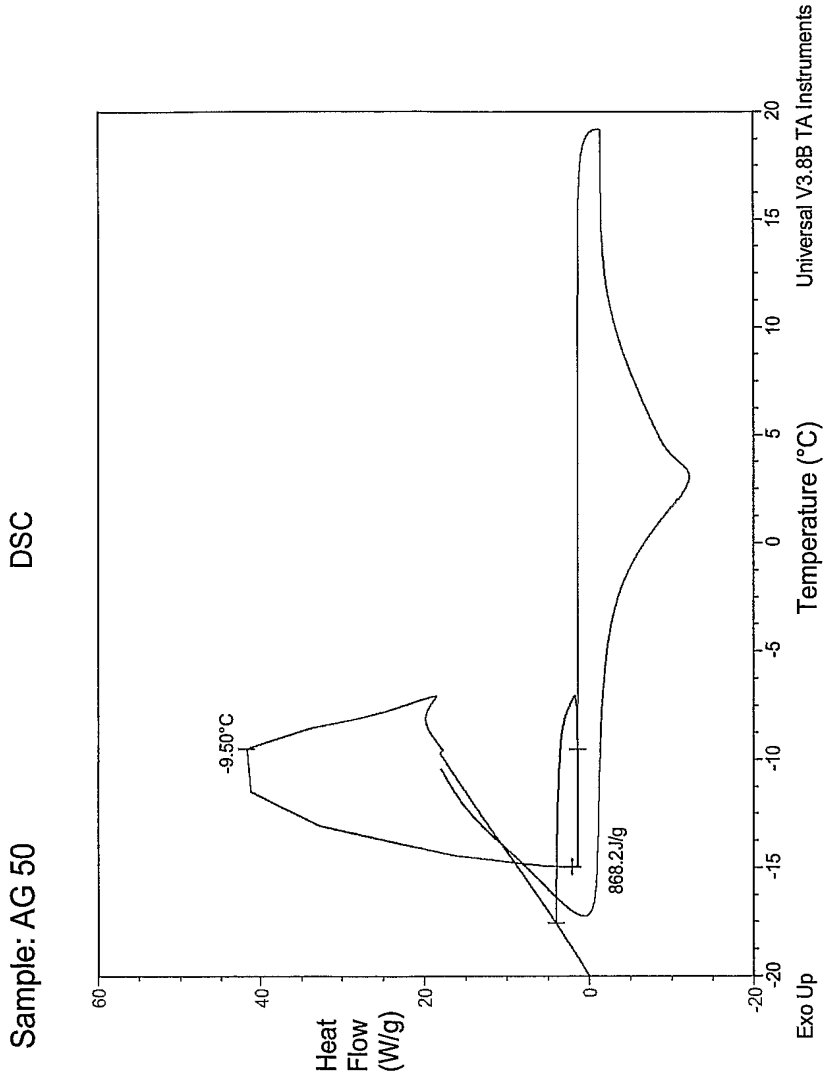


FIG. 11

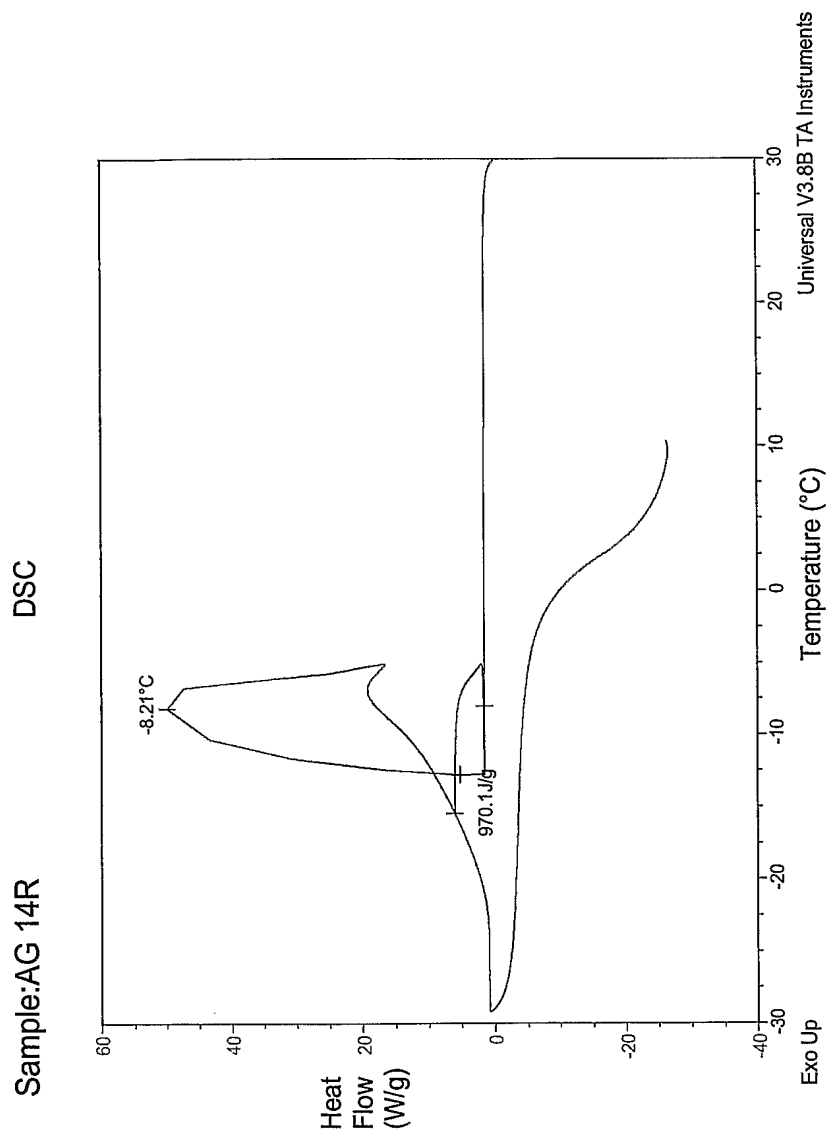


FIG. 12

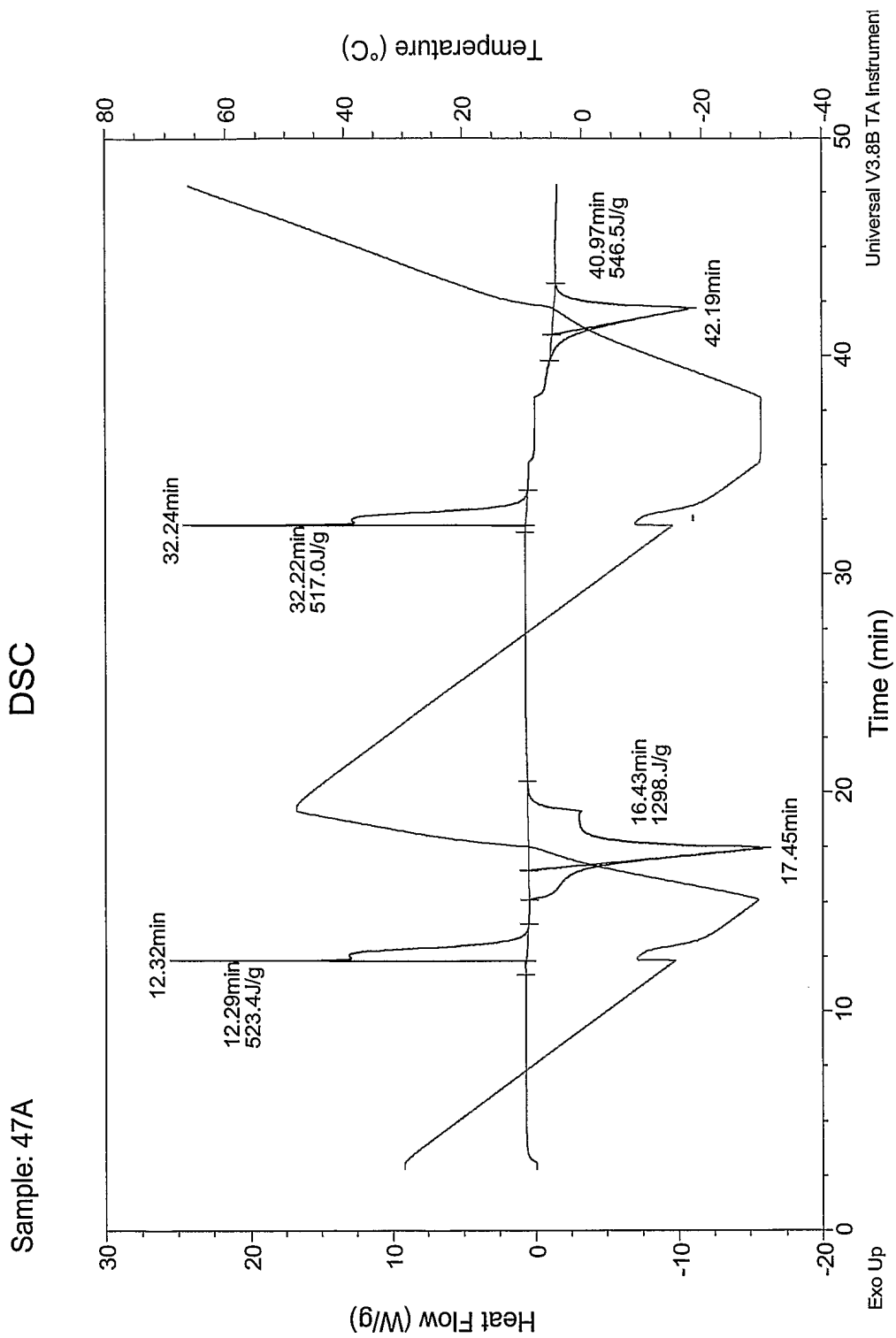


FIG. 13